

CLAIMS

1. A polyorganosiloxane-containing graft copolymer composition comprising:

5 a polyorganosiloxane-containing graft copolymer (A) prepared by polymerizing 5 to 60 parts by weight of a vinyl monomer (a-2) in the presence of 40 to 95 parts by weight of polyorganosiloxane particles (a-1) (the sum of (a-1) and (a-2) is 100 parts by weight); and an antioxidant (B).

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2. The polyorganosiloxane-containing graft copolymer composition according to Claim 1, wherein the polyorganosiloxane particles (a-1) have a volume average particle size of 0.008 to 0.6 μm .

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3. The polyorganosiloxane-containing graft copolymer composition according to Claim 1 or 2, wherein a polymer prepared by polymerizing the vinyl monomer (a-2) alone has a solubility parameter of 9.15 to 10.15 $(\text{cal}/\text{cm}^3)^{1/2}$.

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4. The polyorganosiloxane-containing graft copolymer composition according to any one of Claims 1 to 3, wherein the polyorganosiloxane particles (a-1) are in the form of latex.

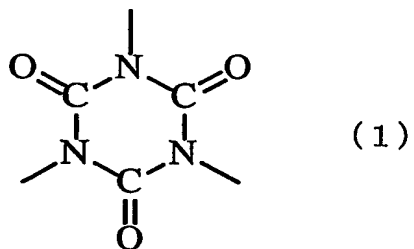
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5. The polyorganosiloxane-containing graft copolymer composition according to any one of Claims 1 to 4, wherein the vinyl monomer (a-2) is at least one selected from the group consisting of an aromatic vinyl monomer, an vinyl cyanide monomer, a (meth)acrylate monomer, and a carboxyl-group-containing vinyl monomer.

6. The polyorganosiloxane-containing graft copolymer composition according to any one of Claims 1 to 5, wherein the antioxidant (B) is a phosphorus-based antioxidant or a mixture of at least two antioxidant components.

7. The polyorganosiloxane-containing graft copolymer composition according to any one of Claims 1 to 5, wherein the antioxidant (B) is a mixture of at least two antioxidant components.

8. The polyorganosiloxane-containing graft copolymer composition according to Claim 7, wherein the antioxidant (B) contains at least one compound having a structure represented by the following chemical formula (1) in molecule:



9. The polyorganosiloxane-containing graft copolymer composition according to Claim 8, wherein the antioxidant
5 (B) further contains a phenolic antioxidant.

10. The polyorganosiloxane-containing graft copolymer composition according to Claim 8, wherein the antioxidant
(B) further contains a sulfur-containing antioxidant.

10 11. The polyorganosiloxane-containing graft copolymer composition according to Claim 1, wherein the antioxidant (B) is such an antioxidant that, when 0.5 parts by weight of the antioxidant is kneade with 100 parts by weight of a
15 polymer, which is prepared by polymerizing only the vinyl monomer (a-2) (excluding a multifunctional monomer) of the polyorganosiloxane-containing graft copolymer (A), at 230°C for 3 minutes to prepare a resin composition, this resin composition exhibits a decomposition temperature at least
20 5°C higher than the decomposition temperature of the polymer alone, the decomposition temperatures being determined at a

heating rate of 10°C/min by differential thermal analysis.

12. A flame retardant comprising the polyorganosiloxane-
containing graft copolymer composition according to any one
5 of Claims 1 to 11.

13. A flame-retardant resin composition prepared by
compounding 100 parts by weight of thermoplastic resin and
0.1 to 30 parts by weight of the flame retardant according
10 to Claim 12.